

United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection & Quarantine
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil
Interstate Movement
Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Mr. William Shepherd	PERMIT NUMBER:	P526P-19-02135
ORGANIZATION:	California Academy of Sciences and Steinhart Aquarium	APPLICATION NUMBER:	P526-190325-017
ADDRESS:	55 Music Concourse Drive Golden Gate Park San Francisco, CA 94118	FACILITY NUMBER:	1508
MAILING ADDRESS:	55 Music Concourse Drive Golden Gate Park San Francisco, CA 94118	HAND CARRY:	Yes
PHONE:	415-379-5445	DATE ISSUED:	05/06/2019
FAX:	415-379-5704	EXPIRES:	05/06/2022
DESTINATION:	55 Music Concourse Drive//California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118		
RELEASE:	No		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Achrioptera fallax	Any	Display Purposes - Insect Zoo	HI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Achrioptera punctipes	Any	Display Purposes - Insect Zoo	HI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Adetomyrma venatrix	Any	Display Purposes - Insect Zoo	HI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Agraulis vanillae	Any	Display Purposes - Insect Zoo	HI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Allotopus moellenkampii	Any	Display Purposes - Insect Zoo	HI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Anochetus grandidieri	Any	Display Purposes - Insect Zoo	HI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Aphaenogaster swammerdami	Any	Display Purposes - Insect Zoo	HI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Archispirostreptus gigas	Any	Display Purposes - Insect Zoo	HI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Archispirostreptus gigas	Any	Display Purposes - Insect Zoo	HI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Aretaon asperimus	Any	Display Purposes - Insect Zoo	HI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	

Permit Number P526P-19-02135

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PPQ HEADQUARTER OFFICIAL VIA EPERMITS.



Wayne Wehling


DATE

05/06/2019

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Asbolus verrucosa	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Atta cephalotes	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Blaberus craniifer	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Blaberus giganteus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Bombus impatiens	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Bombus vosnesenskii	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Camponotus gigas	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Carausius abbreviatus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Carausius morosus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Catacanthus incarnatus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Cerapachys mayri	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Chalcosoma atlas	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Chalcosoma caucasus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Chalcosoma moellenkampii	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Cheirotonus jansonii	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Chelorrhina polyphemus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Chelorrhina polyphemus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Choeradodis rhombicollis	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Choeradodis rhomboidea	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Choeradodis stallii	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Choeradodis strumaria	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Copiphora hastate	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Copiphora rhinoceros	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Crematogaster minutissima	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Crematogaster sewellii	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Creobroter nebulosi	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Creobroter pictipennis	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
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Cyclommatus lunifer	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Cyclommatus metallifer	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Dares validispinus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Dares verucosus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Dendrostreptus macracanthus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Deroplatys dessicata	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Deroplatys lobata	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Deroplatys truncata	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Dicronorhina derbyana	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Dorcus taurus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Dorcus thoracicus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Dorcus titanus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Dynastes granti	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Dynastes hercules	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Epibolus pulcripes	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Epidares nolimetangere	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Euchirus dupontianus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Euchirus longimanus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Eudicella aethiopica	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Eudicella euthalia	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Eudicella gralli	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Eudicella smithi	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Eupatorus gracilicornis	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Eutetramorium mocquers	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Gongylus gongyloides	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Haaniella dehaani	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
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Haaniella echinata	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations


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Heteropteryx dilatata	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Heterorrhina sexmaculata	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Heterorrhina sexmaculata	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Hierodula membracenae	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Hymenopus coronatus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Hypoconera sakalava	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Idolomantis diabolica	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Jumnos ruckeri	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Lamprima adolphinae	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Lamprima aurata	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Leiophasma adusta	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Leiophasma nigrotuberculata	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Leptogenys voeltzkowi	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Lonchodes brevipes	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Lonchodes hosei	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Lonchodes modestus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Macrochirus praetor	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Macynia labiata	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Mecynorhina polyphemus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Mecynorhina ugandensis	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Megasoma elephas	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Meranoplus mayri	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Metapone emersoni	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Mimetica aridifolia	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Mimetica mortuifolia	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Moneilema gigas	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Mystrum mysticum	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
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Mystrium oberthueri	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Mystrium rogeri	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Nesomyrmex sikorai	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Odontolabis femoralis	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Odontomachus coquereli	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Odontomachus troglodytes	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Oecophylla longinoda	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Oecophylla smaragdina	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Oligomyrmex atomus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Pachnoda peregrina	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Pachycondyla cambouei	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Panchlora nivea	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Panchlora spp.	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Paraponera clavata	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Parectatosoma hystrix	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Peruphasma schultei	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Phaenopharos struthioneus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Phalacrognathus muelleri	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Phenacephorus cornucervi	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Philaethria dido	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Phobaeticus serratipes	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Phyllium bioculatum	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Phyllium celebium	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Phyllium pulchrifolium	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Phyllocrania paradoxa	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Phyllovates chlorophaea	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations
Pilotrochus besmerus	Any	Display Purposes - HI, Continental	Originally Collected from Foreign
		Insect Zoo U.S.	and Domestic Locations


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Platyeris biguttata	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Platyeris laevicollis	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Platythyrea arthuri	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Polyspilota aeruginosa	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Prionotheca coronata	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Proceratium diplopyx	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Protaetia lewisi	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Pseudocreobotra ocellata	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Pseudocreobotra wahlbergi	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Pseudomyrmex ferruginea	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Pyramica ambatrix	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Rhaphipodus hopei	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Rhomborrhina formosana	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Sagra buqueti	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Sagra longicollis	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Simopone grandidieri	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Sipyloidea sipyus	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Smaragdestes orzeni	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Stiphra spp.	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Strumigenys daxis	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Terataner alluaudi	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Tetramorium andrei	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Tetraoponera grandidieri	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Therea petiveriana	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Therea regularis	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Thermophilum homoplutum	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations
Trigoniulus macropygus	Any	Display Purposes - HI, Continental Insect Zoo U.S.	Originally Collected from Foreign and Domestic Locations

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Xylotrupes gideon	Any	Display Purposes - HI, Continental Originally Collected from Foreign Insect Zoo U.S. and Domestic Locations
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PERMIT GUIDANCE

- 1) This permit does not authorize movement or release into the environment of genetically engineered organisms produced with the regulated organisms described in this permit. Importation, interstate movement, and environmental release of genetically engineered plant pests require a different permit issued under regulations at 7 CFR part 340. Any unauthorized interstate movement or environmental release, including accidental release, of a regulated GE organism would be a violation of those regulations. Additional guidance and contact information for APHIS Biotechnology Regulatory Services, can be found at: <https://www.aphis.usda.gov/aphis/ourfocus/biotechnology>.
- 2) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_an_products.shtml
- 3) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>
- 4) This permit does not fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.
- 5) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

PERMIT CONDITIONS

USDA-APHIS issues this permit to William Shepherd, California Academy of Sciences and Steinhart Aquarium, 55 Music Concourse Drive, Golden Gate Park, San Francisco, California. This permit authorizes the interstate movement of the listed regulated materials/organisms from the listed states to the above address.

1.
 - This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
 - The permit number or a copy of the permit must accompany the shipment.
 - You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
 - You are legally responsible for complying with all permit requirements and permit conditions.

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- If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
- Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.

2. The permit holder must:

- maintain a valid PPQ526 permit so long as the regulated materials/organisms are alive or viable,
- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms,
- adequately mitigate environmental impacts resulting from unauthorized release of regulated materials/organisms and notify the Pest Permit staff immediately if one occurs,
- notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
- destroy all regulated materials/organisms prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.

Notifications to the Pest Permit Staff must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.

Permit Number P526P-19-02135	
THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.	DATE
 Wayne Wehling	05/06/2019

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3. All persons working with the listed regulated materials/organisms must be informed of these permit conditions. Anyone working with these materials/organisms must agree to adhere to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized materials/organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

4. These regulated organisms may not be traded with other zoos or museums without valid permits by USDA APHIS PPQ. Possession of these organisms requires a permit.
5. This permit is only for public display, NOT FIELD RELEASE. Safeguards must be in place in the display facility to completely remove the possibility of release into the environment of these plant pests.
6. Dead specimens can be retained and used for study, exhibit, and redistribution. Dead specimens must be frozen at -4C for ten days, -29C for three days, or immersed in an appropriate fixative e.g. 70 percent ethanol, Kahles solution, RNA-later.
7. MOBIL EXHIBIT/ OUTREACH / OFF-SITE-

a. The following species are approved for off-site use provided conditions b-g are fully met.

b. All persons working with these organisms must be under the supervision of the permittee.

c. All specimens must remain in the direct control of the staff touring with the insects. The responsible staff member must be trained regarding USDA containment concerns for these organisms.


d. No more than 10 specimens of each species may be traveling away from the containment facility. No eggs. No immature specimens -adults only. Substrate must be kept to a minimum.

e. All organic materials (substrate, waste, etc.) and specimens associated with the traveling exhibit must be kept in the containment facilities at the permitted location when not in service.

f. Display cages transported away from the permitted facility must be kept within a larger container sufficiently strong to remain intact in the event of a vehicle accident.

g. All organisms must be maintained in escape-proof and tamper resistant cages (e.g. aquaria, terraria, etc.) at all times while traveling. The off-site location may be inspected at any time by

Permit Number P526P-19-02135

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USDA APHIS PPQ and/or State personnel to verify that adequate physical and operational characteristics exist to contain the organisms.

8. With the exception of Hymenoptera and Isoptera species that may be included on this permit, cultures are not to exceed 200 reproductively mature specimens per species.
9. This permit authorizes these regulated organisms to be held only in the identified containment facility, room, and/or cages that have been inspected. Any other location at this address must be approved prior to use. This permit does not authorize regulated organisms to be move to other locations on the grounds or off-site for outreach or classroom education except as noted in the following condition.
10. Standard Operating Procedures (SOPs) must be filed with, and approved by, the APHIS PPQ Pest Permit Staff at: email: pest.permits@aphis.usda.gov; phone: 866-524-5421; fax: 301-734-8700; address: 4700 River Road, Unit 133, Riverdale, MD 20737. All contact information must be kept current and the SOPs must be dated. If requirements in the permit conditions are more restrictive than the SOPs, permit conditions take precedence. APHIS PPQ must approve any changes to the SOPs before implementation.


A list of all persons with access to the containment facility must be maintained and available upon request by Federal or State Regulatory Officials.

All persons working with the regulated material/organism(s) must be trained on, and implement the permit conditions, and all APHIS approved SOPs governing the facility listed above.

11. Modifications to the containment facility or any changes that affect the containment of the regulated materials/organisms must be approved by APHIS prior to making changes. Please contact the Pest Permit Staff (email: pest.permits@aphis.usda.gov; phone: 866-524-5421; address: 4700 River Rd., Unit 133, Riverdale, MD 20737; Fax: 301-734-8700).
12. There is to be no further movement or distribution of the listed regulated materials/organisms within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of such materials/organisms.
13. Every January through the duration of this permit, the applicant must submit an inventory for the previous year of the number of each species received from each source. The condition (e.g., healthy, diseased, parasitized, etc.) of pupae received must also be listed. Submit to: APHIS PPQ Pest Permit Staff at: email: pest.permits@aphis.usda.gov; phone: 866-524-5421/4700; fax: 301-734-8700; address: River Road, Unit 133, Riverdale, MD 20737. Provide permit number and permit holder's name in the subject line.
14. DEVITALIZATION AND WASTE DISPOSAL

All regulated materials/organisms and all items coming in direct contact or exposed to the regulated materials/organisms must be sterilized/sanitized/decontaminated prior to removal from the authorized containment facility. This includes all items from shipping, culturing, care, and

Permit Number P526P-19-02135

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maintenance of these regulated materials/organisms. This requirement includes but is not necessarily limited to: packaging directly exposed to the regulated materials/organisms, substrates (culture media, soil, plant materials (food materials or host plants)), leftover/unused/unneeded live cultures, and dead specimens/cultures unless specified otherwise in the permit.

Prior to disposal or reuse, you must treat all contaminated and all potentially contaminated materials by one of the following methods, either alone or in combination: 1) autoclaved (see protocol below), 2) disposed of off-site by a facility holding a valid PPQ compliance agreement (organisms and/or contaminated waste must be stored in sealed containers prior to pick up by this company) or, 3) incinerated. If these three options are not available waste may be treated using one of the following: 4) frozen at minus 29 Celsius (minus 20 Fahrenheit) for 72 hours (Note: this is colder than a conventional refrigerator/freezer), 5) immersed in 5,250-6,000 PPM sodium hypochlorite solution (1 part fresh household bleach to 9 parts water) for at least 20 minutes, or 6) immersed in 70 percent alcohol for at least 30 minutes. Treated waste will be double bagged prior to disposal.

Other sterilization methods are only allowed with prior written agreement from the USDA/APHIS PPQ Pest Permit Staff.

If using an autoclave the following protocol must be used:


- a. Waste must be autoclaved at 121 Celsius (250 Fahrenheit) for a minimum of 30 minutes at 15 psi.
- b. Autoclave tape or other indicators must be placed on each load prior to treatment. The autoclave tape or other indicator on each container must be checked to verify color change before disposal.
- c. The autoclave must be calibrated according to the manufacturer's instructions annually and a commercially available biological indicator kit that uses bacterial spores of *Geobacillus stearothermophilus* that are rendered unviable at 121 Celsius (250 Fahrenheit) must be used every three months.

OR

The autoclave must be calibrated according to the manufacturer's instructions every two years and a commercially available biological indicator kit that uses bacterial spores of *Geobacillus stearothermophilus* that are rendered unviable at 121 Celsius (250 Fahrenheit) must be used every two weeks.

- d. A written record of the calibration and the biological indicator tests must be maintained. You must follow the manufacturer's instructions for the *Geobacillus stearothermophilus* and if any growth is observed, you must have the autoclave serviced and retested before it is used again for the regulated articles/organisms listed on this permit.

Permit Number P526P-19-02135

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15. All regulated organisms must be maintained in escape-proof cages at all times within the containment facility. The facility (or growth chamber) must be locked when the permittee or their designee is not present. The capacity of the insect to escape the cage (dig, claw, push, fly, or chew through wood, plastics, or metals) must be considered in cage design. The cage/container must close completely alleviating the possibility of escape. Cages can only be opened within the containment laboratory and only on a cleared monolithic surface. Collection methods must be available to catch escape organisms. All materials removed from caging must be thoroughly examined for regulated organisms if the material is not being disposed of following the waste disposal condition. Cages that are accessible to the visitor must be securely locked at all times during public hours. The regulated organisms can only be serviced in the authorized containment facility room.
16. Ants require cages/containers constructed/covered with screen or cloth mesh of no less than 60 divisions per linear inch in each direction (60 mesh). The cage/container must close completely alleviating the possibility of escape. Cages can only be opened within the containment laboratory and only on a cleared monolithic surface. Collection methods must be available to catch escape organisms. All materials removed from caging must be thoroughly examined for regulated organisms if the material is not being disposed of following the waste disposal condition.

Ants are to be contained in vented escape proof containers that remain sealed except during feeding times. Fluon, Tanglefoot, 3-in-one oil, or similar materials must be used as barriers to prevent escape. Caging containers are to be held in tubs or other suitable barrier so that any ants escaping from the cages will be unable to escape secondary caging. Bottles within Jars or similar may be required.

END OF PERMIT CONDITIONS

Permit Number P526P-19-02135

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